



Electronic Filing System (EFS) Data

Electronic Patent Application Submission

USPTO Use Only

EFS ID: 63932
Application ID: 09739618
Title of Invention: Object-Based Storage Device
with Improved Reliability and
Fast Crash Recovery
First Named Inventor: John Howard
Domestic/Foreign Application: Domestic Application
Filing Date: 2000-12-18
Effective Receipt Date: 2004-07-02
Submission Type: Information Disclosure
Statement
Filing Type:
Confirmation number: 3682
Attorney Docket Number: 5181-59100

Total Fees Authorized: 180.0
Payment Category: Deposit Account
Deposit Account Number: 501505
Deposit Account Name: Lawrence Merkel
Access Code: *****
RAM Payment Status: RAM success
RAM User ID: EFSPROD
RAM Accounting Date: 2004-07-02
RAM Sequence Number: 9



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Digital Certificate Holder: cn=Lawrence J. Merkel,ou=Registered Attorneys,ou=Patent and
Trademark Office,ou=Department of Commerce,o=U.S. Government,c=US
Certificate Message Digest: 1cb61662e0ebb8d7e9f4bbe6873ec33770e504ec

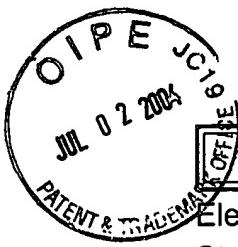


TRANSMITTAL

Electronic Version v1.1
Stylesheet Version v1.1.0

Title of Invention	Object-Based Storage Device with Improved Reliability and Fast Crash Recovery	
Application Number:	09/739618	
Date:	2000-12-18	RECEIVED JUL 07 2004 Technology Center 2100
First Named Applicant:	John H Howard	
Confirmation Number:	3682	
Attorney Docket Number:	5181-59100	
<p>I hereby certify that the use of this system is for OFFICIAL correspondence between patent applicants or their representatives and the USPTO. Fraudulent or other use besides the filing of official correspondence by authorized parties is strictly prohibited, and subject to a fine and/or imprisonment under applicable law.</p> <p>I, the undersigned, certify that I have viewed a display of document(s) being electronically submitted to the United States Patent and Trademark Office, using either the USPTO provided style sheet or software, and that this is the document(s) I intend for initiation or further prosecution of a patent application noted in the submission. This document(s) will become part of the official electronic record at the USPTO.</p>		
Submitted by:	Elec. Sign.	Sign. Capacity
Lawrence Merkel Registered Number: 41191	Lawrence Merkel	Agent
Documents being submitted	Files	
us-fee-sheet	IDS7-2-usfees.xml us-fee-sheet.xls us-fee-sheet.dtd	
us-ids	IDS7-2-usidst.xml us-ids.dtd us-ids.xls	

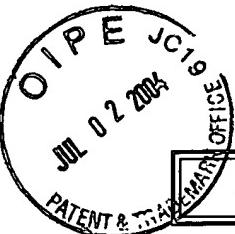
Comments



FEE TRANSMITTAL

Electronic Version v08
Stylesheet Version v08.0

Title of Invention	Object-Based Storage Device with Improved Reliability and Fast Crash Recovery		
Application Number:	09/739618 		
Date:	2000-12-18		
First Named Applicant:	John H Howard		
Attorney Docket Number:	5181-59100		
Art Unit:	2143		
Examiner:	Mitra Kianersi		
TOTAL FEE AUTHORIZED \$180			
Patent fees are subject to annual revisions on or about October 1st of each year.			
BASIC FILING FEE			
Fee Description	Fee Code	Amount \$	Fee Paid \$
Submission Of Information Disclosure Stmt Fee	1806	180	180
AUTHORIZED BILLING INFORMATION			
The commissioner is hereby authorized to charge indicated fees and credit any overpayments to:			
Deposit account number:	501505		
Access Code	*****		
Deposit name:	Meyertons,Hood,Kivlin,Kowert,Goetzel,P.C.		
Deposit authorized name:	Lawrence Merkel		
Signature:	Lawrence Merkel		
Date (YYYYMMDD):	2004-07-02		
Charge Any Additional Fee Required Under 37 C.F.R. Sections 1.16 and 1.17.			



ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18
Stylesheet Version v18.0

Title of Invention	Object-Based Storage Device with Improved Reliability and Fast Crash Recovery						
Application Number:	09/739618						
Confirmation Number:	3682						
First Named Applicant:	John Howard						
Attorney Docket Number:	5181-59100						
Art Unit:	2143						
Examiner:	Mitra Kianersi						
Search string:	(6651140 or 6567853 or 6493804 or 6453354 or 6442613 or 6389420 or 6339793 or 6324581 or 6012060 or 5940594 or 5893140 or 5566331).pn.						
RECEIVED JUL 07 2004 Technology Center 2100							
US Patent Documents							
Note: Applicant is not required to submit a paper copy of cited US Patent Documents							
init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
	1	6651140	2003-11-18	Kumar			
	2	6567853	2003-05-20	Shomler			
	3	6493804	2002-12-10	Soltis et al			
	4	6453354	2002-09-17	Jiang et al			
	5	6442613	2002-08-27	Gregg et al			
	6	6389420	2002-05-14	Vahalia et al			
	7	6339793	2002-01-15	Bostian et al			
	8	6324581	2001-11-27	Xu et al			
	9	6012060	2000-01-04	Loaiza et al			
	10	5940594	1999-08-17	Ali et al			
	11	5893140	1999-04-06	Vahalia et al			
	12	5566331	1999-10-15	Irwin et al			

Remarks

Note: Remarks are not for responding to an office action.

Additional reference to accompany form PTO-1449.

Signature

Examiner Name	Date

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